



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Vol. 2 — No. 15

OAK RIDGE, TENNESSEE

Tuesday, April 13, 1948

Carbide Plants To Have M. I. T. Atomic School

A school of engineering practice for graduate training in the engineering aspects of atomic energy is being established by the Massachusetts Institute of Technology for its own engineering students in the production plants of the Atomic Energy Commission operated by the Carbide and Carbon Chemicals Corporation at Oak Ridge, Tenn., Dr. Thomas K. Sherwood, dean of engineering of the Institute, has announced.

Atomic Engineering Emphasized

The purpose of the school is the education of graduate students in several fields of engineering under a program designed to develop their ability to apply basic principles to the solution of technical problems encountered in industry, with emphasis on the engineering aspects of atomic energy.

It is not anticipated that nuclear engineering will become a separate branch in the same sense as civil, mechanical, electrical or chemical engineering. The plants of the Atomic Energy Commission constitute a very large industry, requiring engineers with basic training in the established engineering fields. The engineering practice school is designed to provide these men with a varied plant experience which would better prepare them for responsible engineering positions in the general field of atomic energy. The program is in accord with the announced policy of the Atomic Energy Commission to encourage education and the enlargement of both theoretical and practical knowledge relating to atomic energy.

Plans Recently Completed

Plans for the school were completed recently with official of the Atomic Energy Commission and Carbide and Carbon Chemicals Corp. Carbide was represented in these discussions by Dr. George T. Felbeck, Vice-President in charge of its activities at Oak Ridge, and Clark E. Center, General Superintendent of the Oak Ridge units operated by the Corporation, which include the gaseous diffusion plant, the electro-magnetic plant, and the Oak Ridge National Laboratory.

The arrangements for the Graduate School of Engineering Practice (Continued on Page 4)

Man-Made Gems Rival Real Precious Stones

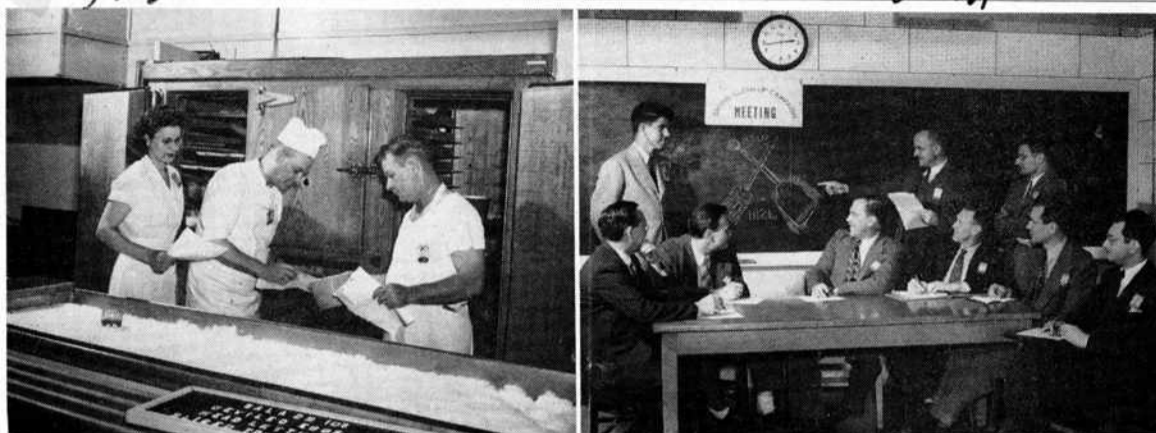
For the first time in history man-made star sapphires and star rubies are being offered for sale by a New York jewelry store.

Developed by the Linde Air Products Co., a unit of Union Carbide, in a war-time effort to obtain a synthetic gem for use as a bearing in some extremely sensitive instruments, these man-made stones are, to the average person, indistinguishable from the expensive naturally occurring gems.

Looks like \$50,000 Gem

A synthetic, ten-carat star ruby worth a few hundred dollars was on display recently at the Museum of Natural History in New York, but few of the visitors who inspected the stone could tell it wasn't a natural gem costing at least \$50,000.

Only an expert jeweler could tell the difference between the man-made stones and the natural star sapphires and rubies. Prices for the man-made stones range from \$135 to \$450.



THE WIDESPREAD SCOPE OF THE CLEANUP CAMPAIGN NOW BEING CONDUCTED IN Y-12 is demonstrated in these pictures. At left a close check is being made in the ice box of the cafeteria by three employees. Left to right they are Madeline Tackett, hostess; Jesse Durrett, head chef; and Jimmy Gardner, head baker. At right, a cleanup meeting held in Dept. H12L, Isotope Development, is shown, with Robert Helton, second from right, standing, pointing to the crossed broom and shovel, the departmental insignia indicating its cleanup work. Helton is chairman of the departmental safety committee. At his right is John Radin and at his left is George Banic. Seated, left to right, are H. D. Chambliss, who conducted the meeting shown above, Bill Rathkamp, V. A. Burns, Jr., Stanley Fairbourne, Sam Adams and Harry Bronstein.

Cleanup Drive In Y-12 Gains Full Support

Employees of all levels in Y-12 enthusiastically pitched in last week to rid the plant area of surplus and scrap material, rubbish and other unnecessary articles as the annual cleanup campaign was launched here and all over Oak Ridge. The drive officially opened Sunday, April 4, and will continue through next Saturday, April 17.

During the early part of last week frequent meetings were held at which the cleanup program in Y-12 was explained. Supervision carried on the work to employees in every department and by last Friday big strides had been made in improving the appearance of the plant and in removing fire and health hazards.

More Time For Work

Fire Chief J. W. Hughey and all members of the Fire Department were offering their services to all departments and employees in efforts to make the campaign the most successful of its kind ever staged. The fact that the drive this year covers a period of two weeks as against one week in previous years provides more time for the accomplishment of the planned objectives.

Chief Hughey has pointed out that the cleanup campaign is a vital part of the fire prevention program in Y-12 as many conditions considered as fire hazards are eliminated during the drive. In 1947 the Y-12 fire prevention program was adjudged second best in the country among industrial plants, being topped only by the program operated by the K-25 plant of Carbide and Carbon Chemicals Corp. Close attention to details of the cleanup program will greatly increase the chances of Y-12 to gain top place in the national fire prevention program this year, Chief Hughey said.

Year Around Program Urged

Aiding the Fire Department in coordinating the cleanup campaign in Y-12 are the fire, safety and security coordinators of the various departments. (Continued on Page 4)

Y-12ERS NOW PILOTS

The Oak Ridge Power Squadron held a dinner party Friday night, April 9, at the Edgewood Restaurant and awarded advanced pilot degrees to members of the organization which included G. L. Banic, G. J. Angele, G. B. Lockhart, W. C. Tunnell and W. R. Rathkamp, all Y-12 employees.

C. D. Susano Heads East Tennessee Chemists; Other Y-12 Men Honored

Additional recognition of accomplishments of scientists in Y-12 is indicated in the fact that the East Tennessee Section of the American Chemical Society is headed by a Y-12 employee and others are serving as officers of the group.

Charles D. Susano, research chemist in Dept. H12D, now is serving as chairman of the East Tennessee Section of the ACS and national councilors of the organization include Dr. C. E. Larson, Y-12 Superintendent, and Dr. C. P. Keim, Superintendent of the Y-12 Isotope Development Department, who recently has been listed in 'Who's Who in America.' Dr. Harvey A. Bernhardt, of the Carbide and Carbon Chemical Corp. K-25 plant, is secretary-treasurer of the Section and Dr. Frank W. Hurd, also of K-25, is a member of the executive committee. Dr. A. J. Miller, of the Fairchild Engine and Airplane Corp., and a former Y-12 employee, is a national councilor.

With TVA For 10 Years

Susano has been employed in Y-12 since 1944, coming here after 10 years of service with the Tennessee Valley Authority as supervisor of the TVA Chemical Testing Laboratories at Knoxville.

Born in Uniontown, Pa., May 8, 1902, Susano attended public schools of that city but his high school education was interrupted by World War I when he enlisted in the United States Navy after his freshman year when he was only 15 years old. While in the Navy he attended the naval radio school at Harvard University. He graduated from that school and served as radio operator aboard the USS New Mexico and other Atlantic Fleet ships.

Had Two Years War Service

After two years of war service he returned to high school and graduated in 1923. He then matriculated at Waynesburg (Pa.) College and graduated cum laude in 1927, majoring in chemistry and physics. He obtained his master's (Continued on Page 4)

DR. MACK TO ADDRESS SECTION MEETING

Dr. Edward Mack, Jr., head of the Department of Chemistry at Ohio State University, will address members of the East Tennessee Section of the American Chemical Society at 8 o'clock tonight at the Cedar Hill School. The meeting will be preceded by a dinner at 6:30 o'clock at the Central Cafeteria. Dr. Mack will speak on "Chemistry of the Proteins," dealing principally with the structure and geometry of protein molecules.



Charles D. Susano

Document Receipts Should Be Expedited

In order that classified documents may be promptly and properly charged to a recipient and the sender relieved of his responsibility in case of transfer of such documents in Y-12, expedition in handling of the classified document receipt is necessary.

According to Standard Plant Procedure No. 55 the recipient of any classified document shall sign, date and return the original copy of the receipt to the sender within three working days. If the sender has not received the signed white receipt copy within that time he is instructed to communicate with the intended recipient to ascertain if the document has reached its intended destination.

In case the classified document did not reach its destination the Security Office, North Portal, telephone 7125, should be notified immediately.

DAILY PAPER PLANNED

The Oak Ridge Journal, established here September 4, 1943, and published as a semi-official weekly newspaper, will cease publication on or about June 1 and will be succeeded by a daily to be known as the Oak Ridge Times.

Insurance Plan Dividends Due In Near Future

The Mutual Benefit Association has announced that a dividend totaling \$96,262.31 is to be distributed to employees at the Y-12 and K-25 plants of Carbide and Carbon Chemicals Corp. who participated in the Carbide Group Insurance Plan during the year 1947. This amount represents the total dividend on the life and sickness and accident insurance returned to the Mutual Benefit Association by the Metropolitan Life Insurance Co. on the Group Insurance Plan at the Oak Ridge plants.

Expected Within 30 Days

Calculation of the dividend has just been completed, it is announced, and it is expected that the dividend checks will be ready for distribution to the participating employees within the next 30 days. The dividend checks will be separate from regular pay checks but will be distributed to employees with pay checks at a regular pay period.

The total amount of dividends, plus the sum of \$270,737.89 paid out in claims during the year of 1947, brings the total amount paid to participants in the Carbide Insurance Plan at the two Oak Ridge plants to \$304,000.20 during 1947. In Y-12 a total of 148 life, sickness and accident claims totaling \$53,267.08 were paid.

91 Per Cent Participate

Approximately 91 per cent of the employees at the Carbide plants in Oak Ridge are participants in the Group Insurance Plan and the dividend returns amount to approximately 31 per cent of the employees' contributions during the year.

The enrollment requirement for the employees' Group Insurance Plan have been liberalized to the extent that eligible employees who wish to participate in the plan now may submit a statement of health in lieu of the physical examination previously required.

May Complete At Office

This statement may be completed at the Y-12 Insurance Office at the Dispensary and if the statement furnished is satisfactory to the insurance company, the employee need not submit to the medical examination.

In the event an employee makes application for group insurance, before the expiration of three months and 31 days from the date of his employment, neither the medical examination nor the statement of health may be required.

Black And White Picture Contest Is Set For Tonight

The Carbide Camera Club will hold a black and white print contest of animal subjects at 7:30 o'clock tonight in the club rooms, located in the East Portal Building at Y-12, it has been announced by F. F. Calloway, the group's president.

The competition will be judged by Ulysses Graham, of Rouser's Camera Supply Store, Knoxville.

CHILDREN'S GROUP MEETS

The Oak Ridge branch of the Anderson County Crippled Children's committee will hold its next meeting at 8 o'clock tomorrow night in the Doctor's Lounge of the Oak Ridge Hospital. A report of the March of Dimes campaign, and the adoption of a constitution will be subjects of the meeting.

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'Man Who Came' Opening Show Is Set Thursday

Opening performance of the "Man Who Came to Dinner," a Community Playhouse production, has been announced for 8:15 p. m. Thursday, at the high school auditorium. The play also will be shown Friday and Saturday nights.

The play revolves around the mishap of the leading character, a critic, lecturer and wit, which forces him into being the Christmas season guest of strangers. Spice of the play is provided by the rather weird entourage of his visitors which include his secretary, convicts, doctor, nurse, collaborators and certain celebrities. Tickets are available at the M. F. Flenniken Insurance office and Taylor's Town and Country Shop.

Fewer Turkeys Will Be Grown In Tennessee

The turkey crop in Tennessee for next Thanksgiving and Christmas holiday dinner tables will be less than that of 1947, says the State Department of Agriculture.

Tennessee turkey growers have indicated to the department that they expect the smallest crop since 1929. The growers report they intend to raise 119,000 fowls this year as compared to 140,000 in 1947, a drop of 15 per cent and about 30 per cent below the five-year average of 171,000 head.

The department reports that the high price of feed together with the losses caused by foxes and "other predators" contribute to the reduction.

Like To Cook? Then Try This Recipe

YELLOW TOMATO PRESERVE

Two quarts small yellow tomatoes.

One lemon, cut thin.

One and one-half teaspoon ground ginger OR

One-quarter pound candied ginger.

Eight cups sugar.

One cup water.

Wash tomatoes and remove stems, but do not peel or slice. Combine with other ingredients and cook slowly until thick. Pour into hot sterilized jars and seal at once. If the self-seal metal or glass cap jars are used, process in a hot water bath for 20 minutes to insure a seal.

Makes four pint jars with 1,787 calories per jar. Source of Vitamins A, C and B Complex. Preparation time one hour.

SCOUTS PLAN BENEFIT

The Girl Scouts Mariner Troop No. 42 and Boy Scout Troop No. 128 will have a benefit April Shower party at the High School gymnasium April 17 at 8 p. m. Music will be furnished by Bill Pollock.

ACCIDENTAL DEATHS LISTED

On the average, one out of every seven deaths among industrial employees is by accident, say the statisticians of the Metropolitan Life Insurance Co.



Y-12 Photos By Vince Moore

MRS. LESTER C. ALLEN, above, was Miss Mada Boles, formerly of Dept. B12H in Y-12 before her marriage April 2 at the Chapel-On-The-Hill. The couple is spending a honeymoon in Florida, after which they will live in Sparta, Tenn., where Allen is secretary-treasurer and general manager of Sparta Mills, Inc.

Veterans Of Foreign Wars, Auxiliary Officers Installed

Tennessee's top ranking officers of the Veterans of Foreign Wars and its Women's Auxiliary presided at the installation of new officers of the Raymond C. Mason Post, No. 6351, at a formal meeting held at the post headquarters Tuesday, April 6.

State Commander James N. Hardin inducted Raymond C. Angevine, of K-25, as the new post commander, and State Auxiliary President Mrs. Mary Paquette invested Mrs. Jesse Durrett with the office of president of the local auxiliary. Mrs. Durrett is the wife of Jesse Durrett, head chef of the Y-12 Cafeteria. After installing all the new officers of the post and auxiliary, both Hardin and Mrs. Paquette complimented the Raymond C. Mason Post on its membership campaign which went well over the 500 quota set by the state department.

A solemn part of the occasion was the presentation of the bronze star with oak leaf cluster to Mrs. Christine Chandler, one of the auxiliary's new officers, and widow of Staff Sgt. Phillip B. Chandler, who was killed in action in Europe. The posthumous award for Sergeant Chandler's heroic action in the late war was made by Lieut. Col. N. Luton, of Camp Campbell, Ky.

Lions' Leap Year Party Set April 19

The Oak Ridge Lionesses and Lions Club will stage a joint leap year party at the Grove Recreation Hall starting at 7 p. m. Monday, April 19, it has been announced. A dinner, followed by bridge and dancing and ending with a surprise entertainment program will make up a gala evening for the Lionesses and Lions. Members are requested to arrange for reservations by calling Mrs. W. T. Daniel at phone number 5-2096.

Members of the Oak Ridge Lions Club who plan attendance at the Lions state convention to be held at Jackson, Tenn., May 21, 22 and 23, are requested to contact Bill Bonham of Y-12 at his home phone number 5-7112 for reservations.



After purchasing a brand new rod and reel, F. A. Watson, Dept. A14N, went up to Norris Lake to try his luck at fishing. After patiently fishing for a while he hooked a big blue gill—and dragged him in. "That thing surely weighed about five pounds," said Watson, "anyway it certainly was huge."

Happenings in Analytical Laboratory in Dept. B12L . . . Betty Cole spent a recent vacation at her home in Jackson, Tenn. . . . Daisy Brogan really did a lot of stepping during a one-week vacation recently. Her first stop was in Little Rock, Ark., then to Clinton, Ill., and she finally ended up in St. Louis, Mo., where she spent the remaining days of her vacation . . . Frances Webb and Elizabeth Patrick used up some of that good old Florida sunshine last week at Daytona Beach where they spent a weeks vacation . . . Ida Lowe spent a recent vacation in Cincinnati . . . Catherine Carroll spent a recent week end in Forest City, N. C. . . . Andrew Skirtnansky spent a recent week end in Roanoke, Va. . . . Recent week end guest of Earline and George Banic were Earline's parents, Dr. and Mrs. D. E. Smith, and brother, Carroll, from Travelers Rest, S. C.

Jean Stevens, formerly of The Y-12 Bulletin staff, in a newsy letter to old friends here relates that Lynn MacDonald, also a former employee, has returned to her home in Kannapolis, N. C., after spending a year with the Red Cross in Japan and Korea. Lynn, who served as president of the TEC Girls' Club and was quite popular in Y-12, also put in a year with the Red Cross in Germany . . . Jean and her husband, Hugh, also a former Y-12er, now are living at Hume, Va., and had as their guests recently Johnny Comsia, still another ex-employee, his wife, Evelyn and son, Skipper; also Ann Ramey, daughter of H. O. Ramey, Y-12 Superintendent of Employment. The Stevens folks send their best regards to friends in Y-12 and Oak Ridge.

Dr. Annie W. Robinson, staff physician at the Y-12 Dispensary, and John F. Stephens, industrial hygienist, have returned from Boston, Mass., where they attended the Conference On Industrial Health.

Leo Caldwell, Dept. H12L, and family motored to Charleston, S. C., during his long week end break and visited the enchanting Cypress Gardens.

Dept. H12D welcomes Al Clark into the department.

John Tate, Dept. A19N, is spending a two-weeks vacation tending his farm near Loudon, Tenn.

Ann Hale, Dept. A12W, and her husband, H. J., former Y-12 employee, spent last week end at Mrs. Hale's home in Johnson City . . . Evelyn Brackney spent last week end at her home in Elizabethton, Tenn. . . . E. C. Sienknecht made good use of his vacation last week by moving into the Sienknecht's new home in Knoxville and getting settled.

Sue Haynes, Dept. B12A, is vacationing at her home in Marion, N. C., this week.

The Recovery Section of Dept. B12C, with several other Y-12 employees, opened the picnic season April 2 with a jolly good time at the home of Mr. and Mrs. Gene Williams at 101 Ulena Lane. Hot dogs and all the trimmings were served with Mrs. Williams' special potato salad. The picnic was such a hit the department intends to plan another one soon . . . Vernoy Sexton returned to work Monday after a weeks vacation spent at his home in Kingsport, Tenn. . . . M. Huddleston spent a recent vacation at her home in Knoxville . . . Emma Henry returned Monday after a weeks vacation spent at her home in Knoxville . . . Cora Williams, janitress in Dept. B12C, spent a one-week vacation visiting her daughter in Columbia, S. C., recently.

Maola Conner, Dept. A12M, spent the past week end in Lebanon, Tenn.

Several members of Dept. M13P and their guests enjoyed boat riding and a hamburger fry at Watts Bar Lake recently. Among those attended were Lucy Murphy, Al

Public Health Nursing Program Is Stressed Here During Week



ONE PHASE OF HOME NURSING IN OAK RIDGE is shown above as two nurses of the City Health Department see that a youngster confined to home by illness takes his medicine.

Accomplishments of the public health nursing program in Oak Ridge during 1947 will be reviewed at meetings of civic and fraternal groups this week, as National Public Health Nursing Week is observed throughout the nation from April 11 to April 17, according to Miss

Laura Breese, chief nurse of the public health department of the city.

Agency Of Community Chest

The public health nursing program in Oak Ridge supplements the services of the Family Service Bureau, a Red Feather agency of the Community Chest.

Public health nursing service began in Oak Ridge in 1943 and it is to acquaint residents of the city with the services performed that National Public Health Nursing Week is being observed here and elsewhere. The slogan of National Public Health Nursing Week is "Help your public health nurses help your community." To accomplish this goal, the public health nursing service of Oak Ridge is stressing its work in prevention of disease as well as service to the ill.

11 Nurses Are Employed

Oak Ridge now has one chief nurse, a field director and 11 public health nurses. The public health service operates under direction of Dr. Frederick Moench, who recently succeeded Dr. Charles H. Benning as head of the public health department. Assistance also is given by Dr. Pratt Ringland, dentist; and Dr. H. H. Ring, maternal and child hygiene consultant.

During 1947 the Oak Ridge public health nurses made 11,622 visits covering a wide variety of services. Visits were made to schools and attention also was given to infants, pre-school children, communicable diseases, post-partum and ante-partum cases, tuberculosis, venereal disease, morbidity and crippled persons. In addition, the public health nurses took part in clinics for such diversified groups as school health examinations, mass tuberculosis survey and venereal disease.

Immunizations completed in 1947 included 13,680 for white children and 369 for Negro children.



Six births were reported to Y-12 families at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Alvin K. Bowles, a daughter and Mr. and Mrs. duPont D. Smith, a son, April 1; Mr. and Mrs. Joseph P. Gill, a daughter, April 2; Mr. and Mrs. Nathaniel Stetson, a daughter, April 5; Mr. and Mrs. Fred D. Williams, a son, April 6; Mr. and Mrs. James W. Robinson, a son, April 7.

Hospital List

The following Y-12 employees were patients in the Oak Ridge Hospital last week: Hattie Fitch, Dept. B13L; Walter A. Parks, Dept. A12S; Frankie A. Hardin, Dept. A12R; James V. Ledbetter, Dept. A12G; George A. Westerhahl, Dept. H12D; Clifford Herrell, Dept. A16N.

A fool and his money are some party.

Additions To Y-12 Technical Library

Technology

TK 6565. D—Smullin and Montgomery, "Microwave Duplexers." N. Y., McGraw-Hill, 1948. 437 pages.

TK 6565. T—Hamilton, Knipp and Kuper, "Klystrons and Microwave Triodes." N. Y., McGraw-Hill, 1948. 533 pages.

Periodical—"Foundry," beginning with February, 1948, issue.

Periodical—"Journal of the Institute of Metals," beginning with February, 1948, issue.

Miscellaneous

Pam. Case—Metropolitan Life Insurance Company, "Operation of Company Libraries"—"Office Planning and Layout"—"Correspondence Filing Systems and Practices"—"The Control of Industrial Research"—"Inventory Control Methods."

Townsend, Ethel Bow, May Carson, O. M. Blackwell, Sally Wilder, George Kirtland and Walter Hoose.

Dept. M12P wishes a speedy recovery to Myrthe Leach who is ill at her home in Oliver Springs . . . Mary Anderson is vacationing this week at her home in Rogersville, Tenn. . . . Mrs. Wade Adams, the former Garnette Isbell of Dept. M12P, was honored with a linen shower last Tuesday night. Hostess was Eunice Jones, Dept. B12L . . . Al Stepan, former Y-12 employee returned for a brief visit to the area last week. Several of his old friends gathered at the home of Bill Pfeiler, Dept. M12P, last Thursday night to review old times.

Hugh Buckner, Dept. A12S is vacationing in Lenoir City this week . . . W. L. Anderson is vacationing this week . . . Emma Puckett is visiting her father who is ill in Kentucky. The department wishes him a quick recovery.

Happenings in Dept. B12H . . . Edna Miller spent her long week end break in Rockwood . . . Group No. 2 is happy to know Charlie Williams is back at work after an extended illness . . . Verna Sharp visited her brother in Amonate, Va., recently.

Mabel Thompson, Dept. A12J, spent a recent week end at her home in Monticello, Ky., and with Edna Rhea, Dept. B12H, Anna Kate Holt and Hope Muncy, both of Oak Ridge spent the past week end with Edna's sister in Kingsport . . . Winnie Miller visited friends in Franklin, N. C., recently.

Bob Batten, former Y-12 employee, now attending the University of Michigan, was the guest of Al Townsend, Dept. M12P last week.

Dept. A12M sends get well wishes to Crittenden Barker who is ill in St. Marys Hospital in Knoxville.

Among the most successful fishermen recently were H. W. Saylor, George Strasser, Lee Pruitt, Harvey Kite and Carl Nelson, all of Dept. B12 C, who went fishing on Cherokee Lake and bagged 75 fine fish.

SPORTS

Ben Martin Named Commissioner Of Municipal Baseball League

Ben Martin, Oak Ridge High School director of athletics, has accepted the post of generalissimo of the newly formed Oak Ridge Municipal Baseball League, it has been announced by Hal Mate, president of the eight-team loop, who said that the choice of Martin to serve as baseball commissioner was unanimous with the club managers.

Martin confirmed the announcement last Thursday.

Headed Softball League

During the past two seasons, Martin acted as commissioner for the city's major softball league, and won wide acclaim for the manner in which the affairs of the circuit were handled. Martin, popular in Oak Ridge sports circles as well as with his high school athletes, brings to the baseball league a wealth of athletic experience which dates back to his college days at the University of Kentucky.

Martin graduated from that university in 1934 after winning varsity letters in track, football and basketball. He came to Oak Ridge from Norris in June, 1943, to work in the city recreation department. In October of the same year he joined the faculty of the Oak Ridge High School, where he became coach of the football and basketball teams. His 1947 football team won six games, lost three and tied one, and this past season's basketball squad captured 23 games while losing three. In January of this year, Martin took over the reins of the athletic directorship at the Oak Ridge High School but will continue to coach the basketball team.

Opening Ceremonies Planned

Tentative plans discussed for opening night ceremonies contemplate a request for the Oak Ridge High School band, a flag raising event, a parade of the league ball players, and a first-ball toss by sports-minded bigwigs. Last Thursday night's meeting of the city municipal league officials dispelled all doubts about the size of the loop membership as the eighth team the AEC Patrol, definitely stated it would field a team.

Y-12 Feminine Bowlers Hopes For League Top Spot Fades

Hopes of the Y-12 varsity keglers overtaking the leading Oak Ridge National Laboratory team faded when they lost two crucial games last Thursday night at Grove Alleys to the Lab gals by scores of 697 to 710 and 616 to 701. Y-12 captured the first game, 720 to 683. Unless an unexpected break occurs, the two top positions in the Women's City Bowling League will close out with the X-10 girls in first place and the Y-12ers in the runnerup spot.

Individual scores chalked up by Y-12 bowlers were Roberts 141, 126 and 132; Prestin 121, 161 and 121; Solomon 145, 148 and 131; Brogan 150, 126 and 111; and Tucker 157, 130 and 115. Y-12 meets K-25 this Friday night at the grove.

League standing follows:

Team	W	L	Team	W	L
OR Lab	54	24	Morats	39	39
Y-12	49	29	Jeffs	34	44
R-A	45	33	Ford Motors	33	45
Fairchild	42	36	G. Mchnts	33	45
Dodgers	41	37	C&S Laundry	26	52
K-25	41	37	P.V. Mchnts	25	53

Tennis Teams Set New Court Drills

Initial practices for both the men's and women's Y-12 varsity tennis teams have been rescheduled for this week due to rainouts last week. Capt. Dot Mellen's feminine racqueteers will assemble at 5:30 p. m. tomorrow night and Thursday night at the Ridge courts, and Capt. Mal Wallis' net stars will meet at 5 p. m. Thursday.

"I'm knitting something that will make my boy friend happy."
"A sweater for him?"
"No—one for me."



Davis Performed In Olympics Tryout In 1932

A general discussion last Friday morning about the recent national championship basketball game between the University of Kentucky Wildcats and the Phillips Oilers on March 24 brought to light an interesting fact that our Coach Bill Davis and several Oak Ridgers once played on a team that contested for the right to represent the United States in the Olympics of 1932.

The team was the Corbin, Ky., Y. M. C. A. and the national tournament was held at Peoria, Ill. On the Corbin squad besides Davis at the guard position was Bill Hatfield and Bert Catron, the latter two being well-known local cage officials. Their team had whipped everything in Southeastern Kentucky, but lost out in the second round at Peoria by a close score to a team representing Buffalo, N. Y.

Calutrons Capture First Rung In D Area Bowling League

Undisputed possession of the D Area Bowling League's top rung was taken over by the Calutrons last Tuesday night as a result of a three-point victory at the expense of the Overheads. However, a similar triumph by the second spot Scotties over the Strikers kept the Highland Fling pinner within a point of first place.

No hot bowling streaks were blazed on the Jefferson Alleys last Tuesday night but the Splinters registered high scratch game with an 859, while the loop-leading Cals chalked up high series with a 2,348. Highest handicap series went to the Wood Choppers with a 2,904. Scratch series of 500 or more were few as Witt, Wood Choppers, marked up a 504; Dick Reinhardt, Cals, a 533; and Leo Caldwell, Splinters, a 546.

Tonight's jousting matches the Old Men vs. Calutrons, Scotties vs. Splinters, Termites vs. Overheads and Wood Choppers vs. Strikers.

League standing follows:

Team	W	L	Team	W	L
Calutrons	34	22	W. Choppers	26	30
Scotties	33	23	Termites	24	32
Strikers	32	24	Old Men	24	32
Splinters	30	26	Overheads	21	35

Gals Wanting 'New Look' Sought For Softball Team

Any Y-12 lassie who desires to acquire that "new look" on the athletic field should present herself at 5 o'clock Thursday evening at the Fairview School ball diamond and get into the practice lineup. Girls who make the Y-12 softball team in the women's city league this season will wear new white uniforms trimmed in red, it has been announced by Arnold Tiller, Recreation Supervisor.

Tiller reports that about 15 girls already have said "yes" they will try out for the team and help Y-12 put over a winner. But there are a number of positions to be fielded which will need more candidates.

PLAYHOUSE PLANS PARTY

The Community Playhouse will hold a formal supper dance Friday night, April 23, at the Gamble Valley playhouse, to which all members and sustaining members are invited. Music will be furnished by the Jim Scott orchestra.



MANAGER C. B. HOPKINS' Y-12 BASEBALLERS ARE shown at their first official practice session at the Barracks Field April 2. Arnold Tiller, Y-12 Recreation Supervisor, and Hopkins are shown in the top left picture sitting on their heels and looking over the prospects as the boys unlimber in the season's initial warm-up. At right, poised and ready to toss the old horsehide down the groove are, left to right, candidates Bill Wright, Paul Braden, Jack L. Holt and Bill Burns. In the lower picture, Manager Hopkins' young son, Bobby, holds an armload of cultured hickory and puts the "Blarney" kiss of good luck and lots of hits to one of the bats.

Y-12 Diamondeers Are Expected To Show Form In Three Drills

Manager C. B. Hopkins' aggregation of candidates for the Y-12 baseball team should begin to shape up this week and lose some of the rough edges as Arnold Tiller, Recreation Supervisor, announced triple practice sessions for this week. The first is scheduled for 5 o'clock tonight at the Oakwood Park No. 2, the second slated to start at 5 o'clock Thursday, at Administration Field and the third set for 2 o'clock, Saturday, at Oakwood Park No. 2.

"CARDINALS" ADOPTED FOR Y-12 BALL CLUB NAME

Baseball fans of Y-12, meet the CARDINALS! The name popped out at The Y-12 Bulletin office as a suggestion and immediately caught fire. Sports writers on The Bulletin staff are rejoicing over the name "Cardinals" that the monotony of one appellation can be varied with "Cards", "Red Birds", and what have you. So, Cardinals it is, and the Y-12 entry in the City Municipal Baseball League will take the field in its opening game on May 23 with the red insignia C Y-12 on white uniforms trimmed in red.

Bottom Busters Retain Lead In Plant Loop Over Comets

A three-point win by the top riding Bottom Busters over the Rippers last Thursday night at the Grove Alleys put the leaders out front in the Plant Bowling League by four points over the second place Comets who took three points in their match with the Lumberjacks.

High single game with handicap was scored by the Bums with a 1,029, while high handicap series was captured by the Wood Butchers with 2,895. Moore, of the Bums, rolled high single game with handicap with a 247.

League standing follows:

Team	W	L	Team	W	L
B. Busters	24	4	Chemical	11	17
Comets	19	9	Bums	11	17
W. Butchers	18	10	L. Jacks	10	18
Big Uns	17	11	One-91	10	18
Wolves	17	11	Bldg. 9212	9	19
Rippers	15	13	Knot Hokers	7	21

COURT BOOKINGS SET

Playing reservations for the Oak Ridge tennis courts near Jackson Square are now open and may be obtained by calling phone No. 5-3844 for schedules starting at 4:30 p. m., Mondays through Fridays, and all day on Saturdays and Sundays. The Jefferson courts for the time being will remain on a "first come, first served" basis.

Men and pins are useless when they lose their heads.

Barker's Boys Bump Fairchild To Near City League Title

An easy triumph over Fairchild April 2, at the Midtown Alleys by scores of 861-687, 814, 671 and 734-671, shoved Capt. Sky Barker's Y-12 varsity keglers within sight of the City Industrial Bowling League title. The Y-12ers met K-25 last Friday night and this Friday should take three straight in their match with the last place Skidmore outfit.

Individual scoring by the league leading Y-12ers was Cobble 194, 158 and 150; ZaBenco 222, 162 and 160; B. Whitaker 131, 153 and 121; Barker 145, 145 and 155; and Roberts 169, 196 and 148. Roberts leads the City League with a season's average of 174 and Cobble ranks second with a mark of 172.

League standing follows:

Team	W	L	Team	W	L
Y-12	58	26	K-25	49	32
AEC	53	28	Fairchild	22	62
R-A	51	33	Skidmores	13	65

CARE OF FOOD IMPORTANT

Proper care of food in the home is just as important as food selection in the markets.

Entries For Dog Show On May 1 Close Thursday

Entries for the second all-breed point show to be staged by the Oak Ridge Kennel Club will close Thursday, April 15, according to J. W. Ebert, of Y-12, bench show chairman of the club. The show will be given at 10 a. m. Saturday, May 1, in the new gymnasium of the Jefferson Junior High School and the entry blanks may be obtained from Ebert, 121 West Newkirk Lane; Mrs. James C. Hart, 180 California Ave.; or any member of the club.

The Oak Ridge Kennel Club is a member of the Southeastern Kennel Association. This group and Texas circuits are combining in presenting dog shows this year in a continuous circuit, beginning with exhibitions in Texas and ending in Oak Ridge.

Nationally known dog fanciers will judge the Oak Ridge event. Forrest N. Hall, owner of the Hallwyre Kennels, Dallas, Texas, will judge the working breeds, terriers, toys and best in show, Edwin C. Beaver, cocker spaniel breeder and owner of the Beaverbrook Kennels, Dayton, Ohio, will judge the entire sporting group. Mr. and Mrs. Claude Fitzgerald will judge hounds, poodles, Dalmatians and non-sporting breeds. Robeson Carter, Jr., former Y-12 employee, will be ring steward and Mrs. Karl Steinmetz, of Knoxville, will be superintendent of the show.

Softball Practice Times To Be Given

Managers of plant softball league teams are requested to call Arnold Tiller, Y-12 Recreation Director, at phone No. 7-8252, for time allotments of practice sessions set for Tuesdays and Thursday evenings at the Administration Field. An important organizational meeting was held last Friday afternoon at the Recreation Office in the North Portal building.

LIONS OFFER SCHOLARSHIPS

The Oak Ridge Lions Club has announced that two scholarship awards of \$500 would be made to a boy and a girl from the senior class of the Oak Ridge High School among applicants selected by members of the school system. The awards will be based on general qualifications, and the winners and their parents will be guests of the Lions Club at one of its future meetings.

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Carbide Plants Get M.I.T. Atomic School

(Continued from Page 1)

uate Engineering Practice School were made with the concurrence of the Oak Ridge Institute of Nuclear Studies which has a broad graduate training program at Oak Ridge in cooperation with its 14 member universities in the South and Southwest.

Based On M.I.T. Principles

While the practice school operation at Oak Ridge will be based on the principles that have been successfully developed in the Massachusetts Institute of Technology's School of Chemical Engineering Practice during the past 25 years, it will operate as a separate educational unit, and will be open to students from any pertinent branch of engineering.

Prof. Walter G. Whitman, head of the Institute's department of chemical engineering, will be in charge of the new school of engineering practice, and the educational program at the Oak Ridge station of M.I.T. will be directed by Prof. William A. Reed, with one or more assistant directors.

Restricted To M.I.T. Students

Admission to the new school is restricted to graduate students in the several engineering departments of the Institute who have been in residence at M.I.T. at least one term. The program is open only to United States citizens and every student must be cleared by the Atomic Energy Commission before he will be considered for admission.

Students are expected to live as a group in a dormitory at Oak Ridge, and the period of residence for the term of the school will be approximately five months. The first group will begin its studies in July and the second will enter next February. Academic credit will be given for work at the Oak Ridge station. Since the time spent at the school will be devoted entirely to education, students will receive no compensation. They are expected to be assigned by the director to a considerable number of atomic energy plant problems during the five months' course.

Professor Reed's History Given

Professor Reed, the school's first director, is a native of Montana where he was born in 1920. He attended Harvard University from 1938 to 1942 under a national scholarship, and received his bachelor of science degree in chemistry in 1942. He then joined the staff of the department of chemical engineering at M.I.T. as an assistant while working for the degree of master of science in his field, which was awarded in 1943. For the next year he was instructor in his department at the Institute and from 1944 to 1946 he was working on a government project in the department of mechanical engineering. In 1946 he was appointed research associate and carried on advanced work which led to the degree of doctor of science in chemical engineering in 1948. His appointment as assistant professor was made on February 1 this year.

Dr. Reed is a member of Phi Beta Kappa, Sigma Xi, Alpha Chi Sigma, and the American Chemical Society.

Patient: "Why stick me in the room with that crazy guy?"

Doctor: "The hospital is crowded. Is he troublesome?"

Patient: "I'll say. Just keeps looking around saying, 'No lions, no tigers, no elephants'—and all the time the room's full of them."

Plant Absentee Mark Cut By Employees

A general improvement all along the line in work attendance was recorded in Y-12 for the week ending April 4 when the plant absentee record dropped .4 per cent from the previous week to a mark of 2.4 per cent. Only four departments, all in the minor league, reported perfect work attendance records for the week ending April 4.

M12P Takes Big Jump

Dept. M12P, Product Chemical, jumped all the way from ninth place held during the week ending March 28 to lead the major league for the week ending April 4. The absentee mark of Product Chemical was only .5 per cent. Close behind in second place was Dept. H12E, Process Development, with an absentee mark of .6 per cent. This department was in first place the previous week.

Two departments reported absentee marks of .69 per cent to take third place. They were Dept. A14N, Electrical Equipment Repair and Maintenance and Dept. A17N, General Plant Maintenance. They held second and fourth places respectively the previous week.

Three Leaders Repeat

Of the four departments reporting perfect attendance marks in the minor league, three were repeaters from the preceding week. They were Dept. M13P, Product Processing; Dept. A12T, Garage Repair Shop; and Dept. A19N, Laundry. These three groups were joined by Dept. A13S, Tool Department, which jumped from ninth place.

With absentee marks of .52 per cent, two departments tied for second place in the minor league. They were Dept. A13T, Transportation; and Dept. A15N, Experimental Process Equipment Repair and Maintenance. They were second and third respectively the week before. Third place went to Dept. M12S, Steam Plant, with an absentee mark of 1.3 and which was in fifth place the previous week.

Record By Departments

The Y-12 absentee record by departments for the week ending April 4, follows:

MAJOR LEAGUE				
More than 50 Employees				
Dept.	Absent	Percentage	Standing	4-4-48 3-28-48
M12P	0.5	1	9	
H12E	0.6	2	1	
A14N	0.69	3	2	
A17N	0.69	3	4	
H12L	1.2	4	7	
B12H	1.3	5	8	
A12S	1.4	6	5	
B13L	1.8	7	10	
A13N	2.19	8	3	
A12G	2.21	9	6	
A14J	2.4	10	12	
A12W	2.75	11	17	
B12C	2.84	12	13	
A16N	3.7	13	11	
A12M	5.5	14	14	
H12D	6.1	15	16	
B12L	6.7	16	15	

Group absentee percentage was 2.3 per cent, .5 per cent lower than the preceding week.

MINOR LEAGUE				
15-49 Employees				
Dept.	Absent	Percentage	Standing	4-4-48 3-28-48
M13P	0.0	1	1	
A12T	0.0	1	1	
A19N	0.0	1	1	
A13S	0.0	1	9	
A13T	0.52	2	2	
A15N	0.52	2	3	
M12S	1.3	3	5	
A12R	1.6	4	4	
B13C	2.2	5	6	
A12J	2.7	6	1	
A12A	3.6	7	8	
A12N	4.3	8	7	
A12L	5.3	9	1	
A12D	6.7	10	6	
B12A	8.0	11	10	

Group absentee percentage was 2.4 per cent, .1 per cent lower than the preceding week.

The plant average for the week ending April 4 was 2.4 per cent, .4 per cent lower than the preceding week.



CLEANUP ACTIVITIES WAS THE TOPIC AT MANY MEETINGS HELD IN Y-12 LAST week, some of which are pictured above. At upper left employees of Dept. A14N, Electrical Equipment Repair and Maintenance, have just seen a moving picture on cleanup and safety shown by P. C. Ziemke, of the Safety Office, shown at machine in rear. Directly in front of Ziemke is C. B. Newman, general foreman of the department. The departmental safety committee is shown together in the first row center. They are E. H. Kelly, Frank Darby and J. L. Crawford, chairman. A group of Y-12 Guards in their snappy, neat uniforms, are shown in the upper right picture hearing a talk by Capt. Harry Dickenson on cleanup work and how the Guards can assist in the plant-wide campaign. At lower left, Fire Dept. Capt. W. O. Elam is combining a talk on cleanup activities with fire training of a local emergency squad at the old fire station in Bldg. 9710-2, used for training purposes. Supervision in Dept. B12H, Refining, in Bldg. 9204-3, is hearing a talk by Howard Harmon, fire, safety and security coordinator for the Refining Division, in which he stressed the need for year around observance of the principles of the cleanup drive.

Cleanup Drive In Y-12 Receiving Full Support

(Continued from Page 1)

ous divisions in Y-12. These coordinators stressed to supervision the desirability of keeping the cleanup work on a year around basis instead of for only one period of the year.

At the cleanup campaign meetings the 15-point program outlined to unify the efforts in Y-12 were explained and work later was started in all corners of the plant area. However, even before the campaign officially opened, there was considerable activity, including the removal of old buildings, moving of piles of lumber and pipe and other surplus material from outside locations to sites in warehouses or other buildings.

15-Point Program Stressed

The 15-point program stresses certain locations and conditions throughout the plant that should receive attention in the campaign with the objective being a thorough cleaning and renovation. They include work shops, locker rooms, store rooms and closets, attics and basements, boiler rooms, loading platforms and docks, laboratories, offices, vaults, aisles, exits and stairways, passageways to fire-fighting equipment, premises around buildings, shacks and out-buildings, roads and streets and a soil erosion program designed not only to improve the appearance of the open spaces in the plant area but also to prevent washing.

As the cleanup campaign is being observed throughout Oak Ridge and many households of Y-12 employees now are in the midst of spring cleaning, Chief Hughey has pointed out the desirability of putting the same principles into effect in the homes that are observed in the plant as to the elimination of fire and health hazards. Too often, the chief pointed out, trash and other material accumulated in closets and attics during winter months provides a dangerous fire hazard and such parts of the house should be kept in a neat condition with the contents of storage places rearranged and unnecessary articles removed.

The Oak Ridge campaign already is achieving results and in all parts of the city large piles of rubbish are being removed and the city itself is beautifying public areas.

An old maid who was the self-appointed supervisor of village morals accused a man of being a drunkard because she had seen his car parked outside of a tavern. The accused man made no comment, but the next evening parked his car outside his accuser's door and left it there all night.

Nancy Doane, Dept. H12D, Enjoys Hiking Trip To Falls Creek Falls

Nancy Doane, Dept. H12D, reported enthusiastically on a recent week end hiking trip taken with the Smoky Mountains Hiking Club to the rugged Falls Creek Falls, State Park in the Cumberland Mountains. About 15 Oak Ridge residents of the club were included in the party, which numbered 65 hikers.

Arriving at the park on a Saturday afternoon, the group went on a hike in the vicinity of the falls, after which they returned to an established camp site and cooked their evening meal. The sturdy crew then enjoyed a square dance until time to turn in to sleeping bags and hammocks for a night's rest in the open air.

Conditioned By Breakfast

Breakfast the next morning was hastily prepared to remove the chill created by a temperature of 23 degrees. The breakfast conditioned the hikers for an all-day jaunt which took them around the rim of the gorge below the falls.

Eighteen of the more rugged individuals in the club chose to descend into the gorge, which is 300 feet below the falls. They returned to the top with the aid of an iron cable that is used to assist in the almost vertical climb. The cable is fastened at the rim and foot of the gorge and provides a hand hold for the climbers.

Higher Than Niagara

Nancy reports all of the hiking party enjoyed the view of the Falls Creek Falls, which is 100 feet higher than Niagara Falls and the highest cataract east of the Rocky Mountains.

Driving Can Be Pleasure Or Work

Driving a car can be a pleasure or a tiresome ordeal. It depends on how you drive. If you make it a habit to keep your mind on your driving, to keep your car under control, and to observe traffic rules, you'll get a lot more enjoyment from your motoring. You'll get places just as fast as the thoughtless "me first" motorists, and you'll have a lot better chance of avoiding accidents. Make it a habit, too, to keep your car in good running condition. Brakes, steering mechanism, lights and tires especially should be checked regularly.

The family of mountaineers was astonished when the youngest son came running home from school shouting: "Maw, Maw. I larned to write."

"What have you larned to write son?" asked Maw.

"Don't know yet, Maw. I ain't larned to read."

A locked desk is considered inadequate for storage of restricted data.

Ulysses S. Grant, 18th president of the country, was born April 27, 1822.